

## ABSTRACT OF THE DISCLOSURE

The apparatus is a 28 speed, two section, transmission that requires only a single clutch swap for most changeovers between adjacent ratios. It uses a first section with three close ratio forward speeds and one reverse along with a second section that is an 11 speed, wide ratio, transmission. The two transmission sections are arranged in series resulting at least 28 usable forward speeds. The second section includes an intermediate planetary gear set without a ring gear and an output planetary gear set that is a conventional simple planetary gear set with a two sun gears, two planes of planetary gears on a single carrier, and two ring gears.